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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/749,068	12/29/2003	Akira Minami	3408.68821	7937
75	90 03/13/2006		EXAMINER	
Patrick G. Burns, Esq.			NGO, HUNG V	
GREER, BURNS & CRAIN, LTD. Suite 2500 300 South Wacker Dr. Chicago, IL 60606			ART UNIT	PAPER NUMBER
			2831	
			DATE MAILED: 03/13/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/749,068	MINAMI, AKIRA	
Office Action Summary	Examiner ,	Art Unit	. ,
	Hung V. Ngo	2831	
The MAILING DATE of this communication ap	pears on the cover sheet wi	th the correspondence address	-
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPI	IVIS SET TO EXPIRE 2 M	ONTH(S) OR THIRTY (30) DA	ve
WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC .136(a). In no event, however, may a re d will apply and will expire SIX (6) MON tte, cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this communic ANDONED (35 U.S.C. § 133).	·
Status			
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This action is FINAL . 3) Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matte	•	ts is
·	·	. 11, 400 0.0. 210.	
Disposition of Claims			
4) ☑ Claim(s) 1-22 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) 1-22 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/	awn from consideration.		
Application Papers			
9) ☐ The specification is objected to by the Examin	ier.		
10) The drawing(s) filed on is/are: a) ac		by the Examiner.	
Applicant may not request that any objection to the	e drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct	•	•	` '
11) ☐ The oath or declaration is objected to by the E	:xaminer. Note the attached	Office Action or form PTO-15	2.
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 	nts have been received.	,,,,,,,	
Copies of the certified copies of the price application from the International Bureau	ority documents have been	·	;
* See the attached detailed Office action for a lis	t of the certified copies not i	received.	
Attachment(s)			
1) X Notice of References Cited (PTO-892)		ummary (PTO-413)	
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 14/2004-8-04/2005/05/04, 07/05)/Mail Date formal Patent Application (PTO-152)	

U.S. Patent and Trademark Office PTOL-326 (Rev. 7-05) Application/Control Number: 10/749,068

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1, line 3, "the first and second interfaces" lack antecedent basis.

Claim 1, line 4, "said card board" lacks antecedent basis.

Claim 1, line 6, "said first interface" is unclear. Is it the interface of the storage device or the interface of the card substrate?

Claims 4, 5, line 3, "said card board" lacks antecedent basis.

Claims 4, 5 line 3, "the connector of said storage device" lacks antecedent basis.

Claim 6, line 3, "said memory card" lacks antecedent basis.

Claim 7, line 2, "said card board" lacks antecedent basis.

Claims 11, 12, line 2, "said first interface" is unclear. Is it the interface of the storage device or the interface of the card substrate?

Claim 14, lines 5, "said connector" is unclear which one?

Claim 17, line 1, "said external equipment" lacks antecedent basis.

Claim 18, line 2, "the master/slave" lack antecedent basis.

Claim 21, lines 1-3 is unclear how the first interface is parallel interface and ATA/ATAPI interface. Second interface has similar problem.

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Claims 2, 3, 8-10, 13, 15, 16, 19, 20, 22 are included because of their dependencies.

Allowable Subject Matter

Claims 1-22 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

The following is an examiner's statement of reasons for allowance:

The limitation "an interface conversion circuit for converting said second interface into said first interface" in combination with other limitations present is neither taught nor disclosed in the prior art of record.

Communication

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung V Ngo whose telephone number is (571) 272-1979. The examiner can normally be reached on Monday to Thursday 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean A Reichard can be reached on (571) 272-2800 EXT 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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HVN February 21, 2006 Hw V NGL

HUNG V. NGO